

CLAIM AMENDMENTS

1-49. (Cancelled)

50. (Currently Amended) A system comprising:

a fuel supply providing a fuel flow;

an oxidant supply providing an oxidant flow;

a fuel cell to:

receive the fuel flow and the oxidant flow, and

generate heat and power in response to the fuel flow and the oxidant flow,

a heat exchanger;

a device having a capacity to store thermal energy received from the fuel cell through the heat exchanger, the device to cause thermally-coupled to the fuel cell by the heat exchanger to receive thermal energy from the fuel cell and provide a heat demand signal to indicate a request for indicative of the device needing more thermal energy from the fuel cell; and

a diverter to route the thermal energy through the heat exchanger to the device in response to the heat demand signal indicating the request and halt the communication of thermal energy from the fuel cell through the heat exchanger to the device in response to the heat demand signal not indicating the request; and

a controller to:

control at least one of the fuel flow and the oxidant flow based on the heat demand signal and based on the power generated by the fuel cell.

51. (Previously Presented) The system of claim 50, further comprising:

a heat demand sensor to generate the heat demand signal; and

a power demand sensor to generate a power demand signal,

wherein the controller responds to the heat demand signal and the power demand signal to control at least one of the fuel flow and the oxidant flow.

52. (Previously Presented) The system of claim 51, wherein the controller reduces at least one of the fuel flow and the oxidant flow in response to no heat demand signal and no power demand signal.

53. (Previously Presented) The system of claim 51, wherein the controller increases at least one of the fuel flow and the oxidant flow in response to no heat demand signal and the presence of the power demand signal.

54. (Previously Presented) The system of claim 51, wherein the controller increases at least one of the fuel flow and the oxidant flow in response to no power demand signal and the presence of the heat demand signal.

55. (Previously Presented) The system of claim 51, wherein the controller increases at least one of the fuel flow and oxidant flow in response to the presence of the power demand signal and the presence of the heat demand signal.

56. (Previously Presented) The system of claim 51, wherein the power demand sensor comprises a fuel cell voltage sensor that produces the power demand signal in response to a voltage of the fuel cell decreasing below a predetermined level.

57. (Previously Presented) The system of claim 51, wherein the power demand sensor comprises a fuel cell current sensor that produces the power demand signal in response to an output current of the fuel cell increasing above a predetermined level.

58. (Previously Presented) The system of claim 51, wherein the power demand sensor comprises a fuel cell output current sensor and an electrical load sensor, wherein the power demand sensor produces the power demand signal when an electrical load on the fuel cell exceeds an output current of the fuel cell.

59-81. Cancelled.